



PTO/SB/21-(09-04)

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3763
ER**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/744,698	
	Filing Date	May 14, 2001	
	First Named Inventor	John M. Kirwan et al.	
	Art Unit	3763	
	Examiner Name	Roz Maiorino	
Total Number of Pages in This Submission	45	Attorney Docket Number	5091C

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Statement under 37.3.73(b) Return Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	B. Zyma Corporation		
Signature			
Printed Name	Richard D. Allison		
Date	August 15, 2005	Reg. No.	31,584

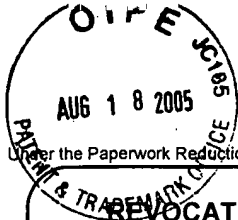
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Michele Silver	Date	August 15, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Best Available Copy



REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	09/744,698
	Filing Date	May 14, 2001
	First Named Inventor	John M. Kirwan et al.
	Art Unit	3763
	Examiner Name	Roz Maiorino
	Attorney Docket Number	5091C

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners at Customer Number :

24536

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with
Customer Number:

24536

OR

☒ Firm or
Individual Name

Genzyme Corporation

Address

15 Pleasant Street Connector
Legal Department

City

Framingham

State

MA

ZIP

01701

Country

us

Telephone

(508) 270-2583

Email

richard.allison@genzyme.com

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Name

Richard D. Allison

Date

August 15, 2005

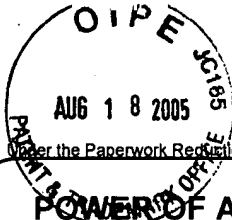
Telephone

(508) 270-2583

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	09/744,698
Filing Date	May 14, 2001
First Named Inventor	John M. Kirwan et al.
Title	Universal Modular Surgical, Etc.
Art Unit	3763
Examiner Name	Roz Maiorino
Attorney Docket Number	5091C

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24536

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number

OR

☒ The address associated with Customer Number:

24536

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Genzyme Corporation		
Address	15 Pleasant St. Connector Legal Department		
City	Framingham	State	MA ZIP 01701
Country	US		
Telephone	(508) 270-2583	Email	richard.allison@genzyme.com

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement Under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

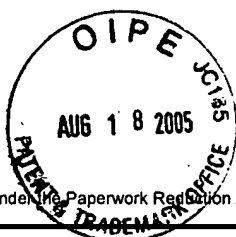
Signature		Date	August 15, 2005
Name	Richard D. Allison	Telephone	(508) 270-2583
Title and Company	Managing IP Counsel of Genzyme Corporation with Attached Signature Authority		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



CHANGE OF CORRESPONDENCE ADDRESS Application Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.	Application Number	09/744,698
	Filing Date	May 14, 2001
	First Named Inventor	John M. Kirwan et al.
	Art Unit	3763
	Examiner Name	Roz Maiorino
	Attorney Docket Number	5091C

Please change the Correspondence Address for the above-identified application to:

☒ The address associated with Customer Number: 24536

OR

☒ Firm or Individual Name Genzyme Corporation

Address 15 Pleasant Street Connector
Legal Department

City Framingham State MA Zip 01701

Country US

Telephone (508) 270-2583 Email richard.allison@genzyme.com

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

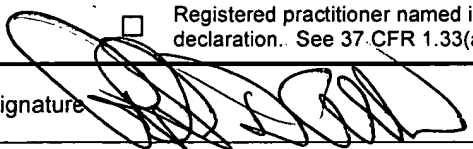
I am the :

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest.
Certificate under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).

☐ Attorney or agent of record. Registration Number _____

☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Signature 

Typed or Printed Name Richard D. Allison

Date August 15, 2005 Telephone (508) 270-2583

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

AUG 18 2005

PTO/SB/80 (04-05)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with Customer Number:

24536

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number

24536

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Genzyme Corporation		
Address	15 Pleasant Street Connector Legal Department		
City	Framingham	State	MA Zip 01701
Country	US		
Telephone	(508) 270-2583	Email	richard.allison@genzyme.com

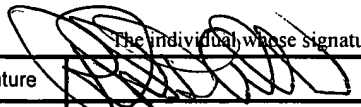
Assignee Name and Address:

Genzyme Corporation
500 Kendall Street
Cambridge, MA 02142

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

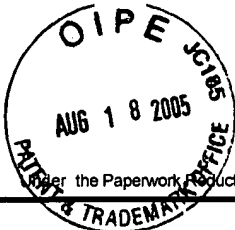
SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	August 15, 2005
Name	Richard D. Allison	Telephone	(508) 270-2583
Title	Managing IP Counsel		

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: John M. Kirwan et al.Application No./Patent No.: 09/744,698Filed/Issue Date: May 14, 2001Entitled: Universal Modular Surgical Applicator SystemsGenzyme Corporationa Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Kirwan, Pichon, Kablik, Herman, and BromanderiTo: Focal, Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel 011798, Frame 0076, or for which a copy thereof is attached.

2. From: Focal, Inc.To: Genzyme Corporation

The document was recorded in the United States Patent and Trademark Office at
Reel 016360, Frame 0683, or for which a copy thereof is attached.

3. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Richard D. Allison

Printed or Typed Name

Managing IP Counsel

Title

August 15, 2005

Date

(508) 270-2583

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

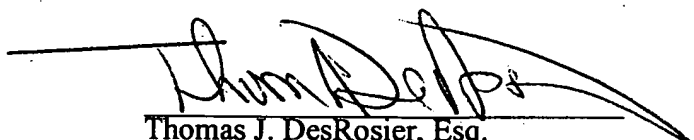


Genzyme Corporation
500 Kendall Street
Cambridge, MA 02142
Tel.: (617) 252-7500
Fax: (617) 252-7553

SIGNATURE AUTHORITY

I, Thomas J. DesRosier, Senior Vice President and General Counsel of Genzyme Corporation hereby appoint Madge R. Kanter, Richard D. Allison, Elizabeth Lassen and Bart G. Newland, all Managing Intellectual Property Counsel of Genzyme Corporation, with full power and authority to transact any and all business before the United States Patent and Trademark Office, and any foreign counterpart patent office, with the powers of a Corporate Officer of Genzyme Corporation.

Date: December 2, 2003



Thomas J. DesRosier, Esq.
Senior Vice President and General Counsel
GENZYME CORPORATION



750
F0397/9030
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 01, 2001

PTAS

WOLF, GREENFIELD & SACKS, P.C.
TIMOTHY J. OYER
FEDERAL RESERVE PLAZA
600 ATLANTIC AVENUE
BOSTON, MA 02210



101720420A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/14/2001

REEL/FRAME: 011798/0076
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KIRWAN, JOHN M.

DOC DATE: 03/20/2001

ASSIGNOR:

PICHON, DEAN M.

DOC DATE: 04/11/2001

ASSIGNOR:

KABLIK, J. JEFFREY

DOC DATE: 04/10/2001

ASSIGNOR:

HERMAN, STEPHEN J.

DOC DATE: 04/19/2001

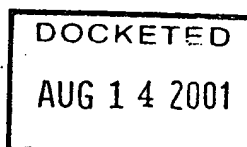
ASSIGNOR:

BROMANDER, THOMAS S.

DOC DATE: 03/20/2001

ASSIGNEE:

FOCAL, INC.
4 MAGUIRE ROAD
LEXINGTON, MASSACHUSETTS 02173



	Initials
File Folder	<input checked="" type="checkbox"/>
ECB	<input checked="" type="checkbox"/>
Docket Entry	<input checked="" type="checkbox"/>
Docket Cross Off	<input checked="" type="checkbox"/>
Order Copies	<input checked="" type="checkbox"/>
Annuities	<input type="checkbox"/>
Confirmation	<input type="checkbox"/>

011798/0076 PAGE 2

SERIAL NUMBER: 09744698
PATENT NUMBER:

FILING DATE: 05/14/2001
ISSUE DATE:

DOROTHY RILEY, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



05-17-2001

ney Docket No. F0397/7050 TJO



101720420

2 SHEET

FORM PTO-1595 U.S.
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Assistant Commissioner for Patents : Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
**John M. Kirwan, Dean M. Pichon, J. Jeffrey Kablik,
Stephen J. Herman, Thomas S. Bromander**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: **March 20, 2001, April 4, 2001, April 11, 2001,
April 19, 2001**

2. Name and address of receiving party(ies)

Name: **Focal, Inc.**

Internal Address:

Street Address: **4 Maguire Road
Lexington, MA 02173**

Additional name(s) & addresses(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)
09/744,698

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
Concerning document should be mailed:

Name: **Timothy J. Oyer**
Address: **WOLF, GREENFIELD & SACKS, P.C.
Federal Reserve Plaza
600 Atlantic Avenue
Boston, MA 02210**

6. Total number of applications and patents involved: **[1]**

7. Total fee (37 CFR 3.41) **\$ 40.00**

☒ Enclosed

☐ Authorized to be charged to deposit account

☒ The Commissioner is authorized to charge:

8. Deposit Account No: 23/2825

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Timothy J. Oyer, Reg. No. 36,628

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **[3]**

Mail documents to be recorded with required cover sheet information to:

Box Assignment
Commissioner of Patents & Trademarks,
Washington, D.C. 20231

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned John M. Kirwan, 427 Winter Street, N. Andover, MA 01845, Dean M. Pichon, 20 Bow Street, Arlington, MA 02474, J. Jeffrey Kablik, 9 Old Stonehill Road, Tyngsboro, MA 01879, Stephen J. Herman, 50 Sunset Rock Road, Andover, MA 01810, and Thomas S. Bromander, 28 Candlewood Drive, Andover, MA 01810, hereby

Sell, assign and transfer to Focal, Inc., a Delaware corporation having a place of business at 4 Maguire Road, Lexington, MA 02173, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on January 29, 2001 under Serial No. 09/744,698 and entitled UNIVERSAL MODULAR SURGICAL APPLICATOR SYSTEMS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Date 3/20/01 _____
 John M. Kirwan _____

STATE OF Massachusetts :
 COUNTY OF Middlesex :

Subscribed and sworn to before me this 20th day of March, 2001.

SEAL Dean M. Pichon
 Notary Public

My Commission Expires My Commission Expires AUG. 24, 2001

11 APR 01
Date

Dean M. Pichon
Dean M. Pichon

STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 11th day of April, 2001

SEAL Dean M. Pichon
Notary Public

My Commission Expires My Commission Expires AUG. 24, 2001

4/10/01
Date

J. Jeffrey Kablik
J. Jeffrey Kablik

STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 4th day of April, 2001

SEAL Dean M. Pichon
Notary Public

My Commission Expires My Commission Expires AUG. 24, 2001

Date

Stephen J. Herman

STATE OF _____
COUNTY OF _____

Subscribed and sworn to before me this _____ day of _____

SEAL _____
Notary Public

My Commission Expires _____

MARCH 20, 2001
Date

Thomas S. Bromander
Thomas S. Bromander

STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 20th day of March, 2001

SEAL [Signature]
Notary Public

My Commission Expires My Commission Expires AUG. 24, 2001

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned John M. Kirwan, 427 Winter Street, N. Andover, MA 01845, Dean M. Pichon, 20 Bow Street, Arlington, MA 02474, J. Jeffrey Kablik, 9 Old Stonehill Road, Tyngsboro, MA 01879, Stephen J. Herman, 50 Sunset Rock Road, Andover, MA 01810, and Thomas S. Bromander, 28 Candlewood Drive, Andover, MA 01810, hereby

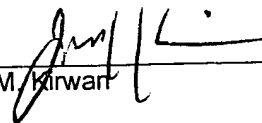
Sell, assign and transfer to Focal, Inc., a Delaware corporation having a place of business at 4 Maguire Road, Lexington, MA 02173, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on January 29, 2001 under Serial No. 09/744,698 and entitled UNIVERSAL MODULAR SURGICAL APPLICATOR SYSTEMS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

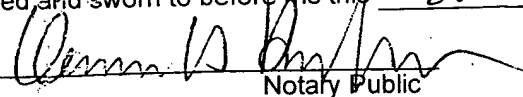
3/20/01
Date


John M. Kirwan

STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 20th day of March, 2001.

SEAL


Notary Public

My Commission Expires My Commission Expires AUG. 24, 2001

Date _____

Dean M. Pichon

STATE OF _____

COUNTY OF _____

Subscribed and sworn to before me this _____ day of _____.

SEAL _____

Notary Public

My Commission Expires _____

Date 4/10/01J. Jeffrey Kablik
J. Jeffrey KablikSTATE OF MassachusettsCOUNTY OF MiddlesexSubscribed and sworn to before me this 4th day of April, 2001.SEAL Allen D. Hoffman

Notary Public

My Commission Expires ~~My Commission Expires~~ AUG. 24, 2001Date 4/18/01Stephen J. Herman
Stephen J. HermanSTATE OF MassachusettsCOUNTY OF MiddlesexSubscribed and sworn to before me this 19th day of April.SEAL Stephanie E. Uhlund

Notary Public

My Commission Expires _____

STEPHANIE E. UHLAND

Notary Public

My Commission Expires

June 16, 2006

MARCH 20, 2001
Date

Thomas S. Bromander
Thomas S. Bromander

STATE OF Massachusetts
COUNTY OF Middlesex

Subscribed and sworn to before me this 20th day of March, 2001

SEAL [Signature]
Notary Public

My Commission Expires My Commission Expires AUG. 24, 2001



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 08, 2005

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500043792A

MICHELE SILVER
15 PLEASANT STREET CONNECTOR
FRAMINGHAM, MA 01701

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/08/2005

REEL/FRAME: 016360/0683
NUMBER OF PAGES: 19

BRIEF: ACQUISITION

ASSIGNOR:
FOCAL, INC.

DOC DATE: 04/25/2001

ASSIGNEE:
GENZYME CORPORATION
500 KENDALL STREET
CAMBRIDGE, MASSACHUSETTS 02142

SERIAL NUMBER: 08918361 FILING DATE: 08/26/1997
PATENT NUMBER: 6287320 ISSUE DATE: 09/11/2001
TITLE: METHOD AND APPARATUS FOR TREATMENT OF FOCAL DISEASE IN HOLLOW TUBULAR ORGANS AND OTHER TISSUE LUMENS

SERIAL NUMBER: 09624055 FILING DATE: 07/24/2000
PATENT NUMBER: 6443941 ISSUE DATE: 09/03/2002
TITLE: BIODEGRADABLE POLYMERIC ENDOLUMINAL SEALING PROCESS, APPARATUS AND POLYMERIC PRODUCTS FOR USE THEREIN

SERIAL NUMBER: 08783387 FILING DATE: 01/13/1997
PATENT NUMBER: 6258870 ISSUE DATE: 07/10/2001
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

SERIAL NUMBER: 09033871 FILING DATE: 03/03/1998
PATENT NUMBER: 6465001 ISSUE DATE: 10/15/2002
TITLE: TREATING MEDICAL CONDITIONS BY POLYMERIZING MACROMERS TO FORM
POLYMERIC MATERIALS

SERIAL NUMBER: 09694836 FILING DATE: 10/23/2000
PATENT NUMBER: 6632446 ISSUE DATE: 10/14/2003
TITLE: COATING SUBSTRATES BY POLYMERIZING MACROMERS HAVING FREE RADICAL-
POLYMERIZABLE SUBSTITUENTS

SERIAL NUMBER: 09492011 FILING DATE: 01/26/2000
PATENT NUMBER: 6306922 ISSUE DATE: 10/23/2001
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE
CONTACTING

MATERIALS AND CONTROLLED-RELEASE CARRIERS

SERIAL NUMBER: 09467359 FILING DATE: 12/20/1999
PATENT NUMBER: 6468520 ISSUE DATE: 10/22/2002
TITLE: APPARATUS AND METHOD FOR LOCAL APPLICATION OF POLYMERIC MATERIAL TO
TISSUE

SERIAL NUMBER: 08967619 FILING DATE: 11/12/1997
PATENT NUMBER: 6461640 ISSUE DATE: 10/08/2002
TITLE: LOCAL DELIVERY OF FIBRINOLYSIS ENHANCING AGENTS

SERIAL NUMBER: 08984614 FILING DATE: 12/03/1997
PATENT NUMBER: 6290729 ISSUE DATE: 09/18/2001
TITLE: LOCAL POLYMERIC GEL CELLULAR THERAPY

SERIAL NUMBER: 09249841 FILING DATE: 02/15/1999
PATENT NUMBER: 6261544 ISSUE DATE: 07/17/2001
TITLE: POLY (HYDROXY ACID) / POLYMER CONJUGATES FOR SKIN APPLICATIONS

SERIAL NUMBER: 09195340 FILING DATE: 11/18/1998
PATENT NUMBER: 6911216 ISSUE DATE: 06/28/2005
TITLE: TARGET DELIVERY VIA BIODEGRADABLE POLYMERS

SERIAL NUMBER: 09123137 FILING DATE: 07/27/1998
PATENT NUMBER: 6780427 ISSUE DATE: 08/24/2004
TITLE: REDUCTION OF ADHESIONS USING CONTROLLED DELIVERY OF ACTIVE OXYGEN
INHIBITORS

SERIAL NUMBER: 09616256 FILING DATE: 07/14/2000
PATENT NUMBER: 6387977 ISSUE DATE: 05/14/2002
TITLE: REDOX AND PHOTOINITIATOR SYSTEMS FOR PRIMING FOR IMPROVED ADHERENCE
OF GELS TO SUBSTRATES

SERIAL NUMBER: 09732419 FILING DATE: 12/07/2000
PATENT NUMBER: 6352710 ISSUE DATE: 03/05/2002
TITLE: COMPLIANT TISSUE SEALANTS

SERIAL NUMBER: 09710416 FILING DATE: 11/09/2000
PATENT NUMBER: 6410645 ISSUE DATE: 06/25/2002
TITLE: MULTIBLOCK BIODEGRADABLE HYDROGELS FOR DRUG DELIVERY AND TISSUE TREATMENT

SERIAL NUMBER: 08968463 FILING DATE: 10/02/1997
PATENT NUMBER: 6352682 ISSUE DATE: 03/05/2002
TITLE: POLYMERIC DELIVERY OF RADIONUCLIDES AND RADIOPHARMACEUTICALS

SERIAL NUMBER: 09634366 FILING DATE: 08/09/2000
PATENT NUMBER: ISSUE DATE:
TITLE: BIODEGRADABLE TISSUE RETRACTOR

SERIAL NUMBER: 09303054 FILING DATE: 04/30/1999
PATENT NUMBER: 6586751 ISSUE DATE: 07/01/2003
TITLE: LIGHT SOURCE POWER TESTER

SERIAL NUMBER: 09744698 FILING DATE: 05/14/2001
PATENT NUMBER: ISSUE DATE:
TITLE: UNIVERSAL MODULAR SURGICAL APPLICATOR SYSTEMS

SERIAL NUMBER: 09801097 FILING DATE: 03/07/2001
PATENT NUMBER: ISSUE DATE:
TITLE: SELF-CLEANING FLUID DELIVERY DEVICE FOR MEDICAL APPLICATIONS

SERIAL NUMBER: 09658390 FILING DATE: 09/08/2000
PATENT NUMBER: ISSUE DATE:
TITLE: HYDROGELS FOR ORTHOPEDIC REPAIR

SERIAL NUMBER: 60258369 FILING DATE: 12/27/2000
PATENT NUMBER: ISSUE DATE:
TITLE: CONTROLLED RELEASE OF ANTI-ARRHYTHMIC AGENTS

SERIAL NUMBER: 60253477 FILING DATE: 11/28/2000
PATENT NUMBER: ISSUE DATE:
TITLE: INCORPORATION OF HYALURONIC ACID IN POLYMERIC HYDROGEL - FORMING COMPOSITIONS

SERIAL NUMBER: 60268559 FILING DATE: 02/14/2001
PATENT NUMBER: ISSUE DATE:
TITLE: BIOCOMPATIBLE FLEECE FOR HEMOSTASIS AND TISSUE ENGINEERING

SERIAL NUMBER: 07857700 FILING DATE: 03/25/1992
PATENT NUMBER: 5213580 ISSUE DATE: 05/25/1993
TITLE: BIODEGRADABLE POLYMERIC ENDOLUMINAL SEALING PROCESS

SERIAL NUMBER: 08101966 FILING DATE: 08/04/1993
PATENT NUMBER: 5328471 ISSUE DATE: 07/12/1994
TITLE: METHOD AND APPARATUS FOR TREATMENT OF FOCAL DISEASE IN HOLLOW TUBULAR ORGANS AND OTHER TISSUE LUMENS

SERIAL NUMBER: 08022687 FILING DATE: 03/01/1993
PATENT NUMBER: 5410016 ISSUE DATE: 04/25/1995
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE CONTACTING
MATERIALS AND CONTROLLED-RELEASE CARRIERS

SERIAL NUMBER: 08165392 FILING DATE: 12/10/1993
PATENT NUMBER: 5468505 ISSUE DATE: 11/21/1995
TITLE: LOCAL DELIVERY OF FIBRINOLYSIS ENHANCING AGENTS

SERIAL NUMBER: 07958870 FILING DATE: 10/07/1992
PATENT NUMBER: 5529914 ISSUE DATE: 06/25/1996
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

SERIAL NUMBER: 08468364 FILING DATE: 06/06/1995
PATENT NUMBER: 5567435 ISSUE DATE: 10/22/1996
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE CONTACTING
MATERIALS AND CONTROLLED-RELEASE CARRIERS

SERIAL NUMBER: 08024657 FILING DATE: 03/01/1993
PATENT NUMBER: 5573934 ISSUE DATE: 11/12/1996
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

SERIAL NUMBER: 08132745 FILING DATE: 10/06/1993
PATENT NUMBER: 5575815 ISSUE DATE: 11/19/1996
TITLE: LOCAL POLYMERIC GEL THERAPY

SERIAL NUMBER: 08476124 FILING DATE: 06/07/1995
PATENT NUMBER: 5612050 ISSUE DATE: 03/18/1997
TITLE: APPARATUS AND METHOD FOR LOCAL APPLICATION OF POLYMERIC MATERIAL TO
TISSUE

SERIAL NUMBER: 08401931 FILING DATE: 03/09/1995
PATENT NUMBER: 5618850 ISSUE DATE: 04/08/1997
TITLE: HYDROXY-ACID COSMETICS

SERIAL NUMBER: 08379848 FILING DATE: 01/27/1995
PATENT NUMBER: 5626863 ISSUE DATE: 05/06/1997
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE CONTACTING
MATERIALS AND CONTROLLED-RELEASE CARRIERS

SERIAL NUMBER: 08474062 FILING DATE: 06/07/1995
PATENT NUMBER: 5634946 ISSUE DATE: 06/03/1997
TITLE: POLYMERIC ENDOLUMINAL PAVING PROCESS

SERIAL NUMBER: 08226945 FILING DATE: 04/13/1994
PATENT NUMBER: 5662609 ISSUE DATE: 09/02/1997
TITLE: METHOD AND APPARATUS FOR TREATMENT OF FOCAL DISEASE IN HOLLOW
TUBULAR ORGANS AND OTHER TISSUE LUMENS

SERIAL NUMBER: 08483194 FILING DATE: 06/07/1995
PATENT NUMBER: 5662712 ISSUE DATE: 09/02/1997

SERIAL NUMBER: 08265448 FILING DATE: 06/24/1994

PATENT NUMBER: 5665063 ISSUE DATE: 09/09/1997

TITLE: METHODS FOR APPLICATION OF INTRALUMINAL
PHOTOPOLYMERIZED GELS

SERIAL NUMBER: 08182516 FILING DATE: 01/14/1994

PATENT NUMBER: 5674287 ISSUE DATE: 10/07/1997

TITLE: BIODEGRADABLE POLYMERIC ENDOLUMINAL SEALING PROCESS, APPARATUS AND
POLYMERIC PRODUCT FOR USE THEREIN

SERIAL NUMBER: 08448573 FILING DATE: 11/27/1995

PATENT NUMBER: 5698189 ISSUE DATE: 12/16/1997

TITLE: METHOD FOR LOCAL APPLICATION OF POLYMERIC MATERIAL TO TISSUE

SERIAL NUMBER: 08477370 FILING DATE: 06/07/1995

PATENT NUMBER: 5741323 ISSUE DATE: 04/21/1998

TITLE: POLYMERIC ARTICLE FOR INTRALUMINAL PHOTOTHERMOFORMING

SERIAL NUMBER: 08481220 FILING DATE: 06/07/1995

PATENT NUMBER: 5749915 ISSUE DATE: 05/12/1998

TITLE: POLYMERIC ENDOLUMINAL PAVING PROCESS

SERIAL NUMBER: 08472757 FILING DATE: 06/07/1995

PATENT NUMBER: 5749922 ISSUE DATE: 05/12/1998

TITLE: BIODEGRADABLE POLYMERIC ENDOLUMINAL SEALING PROCESS, APPARATUS AND
POLYMERIC PRODUCTS FOR USE THEREIN

SERIAL NUMBER: 08472745 FILING DATE: 06/07/1995

PATENT NUMBER: 5749968 ISSUE DATE: 05/12/1998

TITLE: DEVICE FOR PRIMING FOR IMPROVED ADHERENCE OF GELS TO SUBSTRATES

SERIAL NUMBER: 08494333 FILING DATE: 06/26/1995

PATENT NUMBER: 5779673 ISSUE DATE: 07/14/1998

TITLE: DEVICES AND METHODS FOR APPLICATION OF INTRALUMINAL
PHOTOPOLYMERIZED GELS

SERIAL NUMBER: 08689139 FILING DATE: 07/29/1996

PATENT NUMBER: 5785993 ISSUE DATE: 07/28/1998

TITLE: REDUCTION OF ADHESIONS USING CONTROLLED DELIVERY OF ACTIVE OXYGEN
INHIBITORS

SERIAL NUMBER: 08410037 FILING DATE: 03/23/1995

PATENT NUMBER: 5800373 ISSUE DATE: 09/01/1998

TITLE: INITIATOR PRIMING FOR IMPROVED ADHERENCE OF GELS TO SUBSTRATES

SERIAL NUMBER: 08478055 FILING DATE: 06/07/1995

PATENT NUMBER: 5800538 ISSUE DATE: 09/01/1998

TITLE: BIODEGRADABLE POLYMERIC ENDOLUMINAL SEALING PROCESS

SERIAL NUMBER: 08480678 FILING DATE: 06/07/1995

TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

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SERIAL NUMBER: 08467693 FILING DATE: 06/06/1995
PATENT NUMBER: 5834274 ISSUE DATE: 11/10/1998
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

SERIAL NUMBER: 08238931 FILING DATE: 05/06/1994
PATENT NUMBER: 5843156 ISSUE DATE: 12/01/1998
TITLE: LOCAL POLYMERIC GEL CELLULAR THERAPY

SERIAL NUMBER: 08467815 FILING DATE: 06/06/1995
PATENT NUMBER: 5843743 ISSUE DATE: 12/01/1998
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

SERIAL NUMBER: 08478104 FILING DATE: 06/07/1995
PATENT NUMBER: 5844016 ISSUE DATE: 12/01/1998
TITLE: REDOX AND PHOTOINITIATOR PRIMING FOR IMPROVED ADHERENCE OF GELS TO SUBSTRATES

SERIAL NUMBER: 08448572 FILING DATE: 10/30/1995
PATENT NUMBER: 5849035 ISSUE DATE: 12/15/1998
TITLE: APPARATUS AND METHODS FOR INTRALUMINAL PHOTOTHERMOFORMING

SERIAL NUMBER: 08377911 FILING DATE: 01/25/1995
PATENT NUMBER: 5858746 ISSUE DATE: 01/12/1999
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

SERIAL NUMBER: 08739644 FILING DATE: 10/30/1996
PATENT NUMBER: 5879688 ISSUE DATE: 03/09/1999
TITLE: HYDROXY-ACID COSMETICS

SERIAL NUMBER: 08787647 FILING DATE: 01/23/1997
PATENT NUMBER: 5879713 ISSUE DATE: 03/09/1999
TITLE: TARGETED DEIVERY VIA BIODEGRADABLE POLYMERS

SERIAL NUMBER: 08710689 FILING DATE: 09/23/1996
PATENT NUMBER: 5900245 ISSUE DATE: 05/04/1999
TITLE: COMPLIANT TISSUE SEALANTS

SERIAL NUMBER: 08963639 FILING DATE: 11/03/1997
PATENT NUMBER: 5942209 ISSUE DATE: 08/24/1999
TITLE: METHOD OF LOCAL RADIOTHERAPY BY POLYMERIZING A MATERIAL IN VIVO TO FORM A HYDROGEL

SERIAL NUMBER: 08481646 FILING DATE: 06/07/1995
PATENT NUMBER: 5947977 ISSUE DATE: 09/07/1999
TITLE: PROCESS, APPARATUS AND POLYMERIC PRODUCT FOR USE THEREIN

SERIAL NUMBER: 08700237 FILING DATE: 08/20/1996
PATENT NUMBER: 5986043 ISSUE DATE: 11/16/1999
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE CONTACTING

SERIAL NUMBER: 08714189

FILING DATE: 09/16/1996

PATENT NUMBER: 6004315

ISSUE DATE: 12/21/1999

TITLE: OPTICAL FIBER DIFFUSER AND METHOD OF MAKING

SERIAL NUMBER: 08944035 FILING DATE: 09/29/1997
PATENT NUMBER: 6004547 ISSUE DATE: 12/21/1999
TITLE: APPARATUS AND METHOD FOR LOCAL APPLICATION OF POLYMERIC MATERIAL TO TISSUE

SERIAL NUMBER: 09288207 FILING DATE: 04/08/1999
PATENT NUMBER: 6051248 ISSUE DATE: 04/18/2000
TITLE: COMPLIANT TISSUE SEALANTS

SERIAL NUMBER: 09128917 FILING DATE: 08/04/1998
PATENT NUMBER: 6060582 ISSUE DATE: 05/09/2000
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE CONTACTING MATERIALS AND CONTROLLED-RELEASE CARRIES

SERIAL NUMBER: 08944739 FILING DATE: 10/06/1997
PATENT NUMBER: 6083524 ISSUE DATE: 07/04/2000
TITLE: POLYMERIZABLE BIODEGRADABLE POLYMERS INCLUDING CARBONATE OR DIOXANONE LINKAGES

SERIAL NUMBER: 08973077 FILING DATE: 10/10/1997
PATENT NUMBER: 6121341 ISSUE DATE: 09/19/2000
TITLE: REDOX AND PHOTOINITIATOR SYSTEMS FOR PRIMING FOR IMPROVED ADHERENCE OF GELS TO SUBSTRATES

SERIAL NUMBER: 09045401 FILING DATE: 03/20/1998
PATENT NUMBER: 6123667 ISSUE DATE: 09/26/2000
TITLE: BIODEGRADABLE TISSUE RETRACTOR

SERIAL NUMBER: 09129735 FILING DATE: 08/05/1998
PATENT NUMBER: 6162241 ISSUE DATE: 12/19/2000
TITLE: HEMOSTATIC TISSUE SEALANTS

SERIAL NUMBER: 09172537 FILING DATE: 10/14/1998
PATENT NUMBER: 6176871 ISSUE DATE: 01/23/2001
TITLE: APPARATUS AND METHODS FOR INTRALUMINAL PHOTOTHERMOFORMING

SERIAL NUMBER: 09479520 FILING DATE: 01/07/2000
PATENT NUMBER: 6177095 ISSUE DATE: 01/23/2001
TITLE: POLYMERIZABLE BIODEGRADABLE POLYMERS INCLUDING CARBONATE OR DIOXANONE LINKAGES

SERIAL NUMBER: 08692914 FILING DATE: 07/26/1996
PATENT NUMBER: 6201065 ISSUE DATE: 03/13/2001
TITLE: MULTIBLOCK BIODEGRADABLE HYDROGELS FOR DRUG DELIVERY AND TISSUE TREATMENT

SERIAL NUMBER: 09477162 FILING DATE: 01/04/2000
PATENT NUMBER: 6217894 ISSUE DATE: 04/17/2001
TITLE: COMPLIANT TISSUE SEALANTS

SERIAL NUMBER: 07952730 FILING DATE: 11/19/1992
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9102142
TITLE: METHOD FOR VACUUM IMPULSE FORMING OF HEATED GLASS SHEETS

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US8903593
TITLE: ?

FILING DATE: 08/23/1989
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9301776
TITLE: GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS

FILING DATE: 03/01/1993
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9301773
TITLE: PHOTOPOLYMERIZABLE BIODEGRADABLE HYDROGELS AS TISSUE CONTACTING MATERIALS AND CONTROLLED-RELEASE

FILING DATE: 03/01/1993
ISSUE DATE:

SERIAL NUMBER: 08448573
PATENT NUMBER:
PCT NUMBER: US9403115
TITLE: METHOD FOR LOCAL APPLICATION OF POLYMERIC MATERIAL TO TISSUE

FILING DATE: 11/27/1995
ISSUE DATE:

SERIAL NUMBER: 08448572
PATENT NUMBER:
PCT NUMBER: US9404824
TITLE: APPARATUS AND METHODS FOR INTRALUMINAL PHOTOTHERMOFORMING

FILING DATE: 10/30/1995
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9508067
TITLE: DEVICES AND METHODS FOR APPLICATION OF INTRALUMINAL

FILING DATE: 06/26/1995
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9414213
TITLE: LOCAL DELIVERY OF FIBRINOLYSIS ENHANCING AGENTS

FILING DATE: 12/09/1994
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9411304
TITLE: LOCAL POLYMERIC GEL CELLULAR THERAPY

FILING DATE: 10/06/1994
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9603177
TITLE: POLY (HYDROXY ACID)/ POLYMER CONJUGATES FOR SKIN APPLICATIONS

FILING DATE: 03/08/1996
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US9514103
TITLE: TARGETED DELIVERY VIA BIODEGRADABLE POLYMERS

FILING DATE: 10/11/1995
ISSUE DATE:

SERIAL NUMBER: FILING DATE: 03/20/1996
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9603813
TITLE: REDUCTION OF ADHESIONS USING CONTROLLED DELIVERY OF ACTIVE OXYGEN
INHIBITORS

SERIAL NUMBER: 08973077 FILING DATE: 10/10/1997
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9603834
TITLE: REDOX AND PHOTOINITIATOR SYSTEMS FOR PRIMING FOR IMPROVED ADHERENCE
OF GELS TO SUBSTRATES

SERIAL NUMBER: FILING DATE: 07/26/1996
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9612285
TITLE: MULTIBLOCK BIODEGRADABLE HYDROGELS FOR DRUG DELIVERY AND TISSUE
TREATMENT

SERIAL NUMBER: FILING DATE: 02/13/1997
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9702075
TITLE: POLYMERIC DELIVERY OF RADIONUCLIDES AND RADIOPHARMACEUTICALS

SERIAL NUMBER: FILING DATE: 09/16/1997
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9716392
TITLE: OPTICAL FIBER DIFFUSER AND METHOD OF MAKING

SERIAL NUMBER: FILING DATE: 03/20/1998
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9805661
TITLE: BIODEGRADABLE TISSUE RETRACTOR

SERIAL NUMBER: FILING DATE: 08/06/1998
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9816410
TITLE: HEMOSTATIC TISSUE SEALANTS

SERIAL NUMBER: FILING DATE: 09/23/1997
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9716857
TITLE: POLYMERIZABLE BIODEGRADABLE POLYMERS INCLUDING CARBONATE OR
DIOXANONE LINKAGES

SERIAL NUMBER: FILING DATE: 04/30/1999
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9909386
TITLE: LIGHT SOURCE POWER TESTER

SERIAL NUMBER: 09744698 FILING DATE: 05/14/2001
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9916950
TITLE: UNIVERSAL MODULAR SURGICAL APPLICATOR SYSTEMS

016360/0683 PAGE 10

SERIAL NUMBER: FILING DATE: 09/17/1999
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US9921521
TITLE: SELF-CLEANING FLUID DELIVERY DEVICE FOR MEDICAL APPLICATIONS

SERIAL NUMBER: FILING DATE: 09/08/2000
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US0024647
TITLE: HYDROGELS FOR ORTHOPEDIC REPAIR

MARGARET LASALLE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

08/08/2005
500043792

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Acquisition

CONVEYING PARTY DATA

Name	Execution Date
Focal, Inc.	04/25/2001

RECEIVING PARTY DATA

Name:	Genzyme Corporation
Street Address:	500 Kendall Street
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02142

PROPERTY NUMBERS Total: 97

Property Type	Number
Patent Number:	5213580
Patent Number:	5328471
Patent Number:	5410016
Patent Number:	5468505
Patent Number:	5529914
Patent Number:	5567435
Patent Number:	5573934
Patent Number:	5575815
Patent Number:	5612050
Patent Number:	5618850
Patent Number:	5626863
Patent Number:	5634946
Patent Number:	5662609
Patent Number:	5662712
Patent Number:	5865063

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Patent Number:	5674287
Patent Number:	5698189
Patent Number:	5741323
Patent Number:	5748915
Patent Number:	5749922
Patent Number:	5749968
Patent Number:	5779673
Patent Number:	5785993
Patent Number:	5800373
Patent Number:	5800538
Patent Number:	5801033
Patent Number:	5834274
Patent Number:	5843156
Patent Number:	5843743
Patent Number:	5844016
Patent Number:	5849035
Patent Number:	5858746
Patent Number:	5879688
Patent Number:	5879713
Patent Number:	5900245
Patent Number:	5942209
Patent Number:	5947977
Patent Number:	5986043
Patent Number:	6004315
Patent Number:	6004547
Patent Number:	6051248
Patent Number:	6060582
Patent Number:	6083524
Patent Number:	6121341
Patent Number:	6123667
Patent Number:	6162241
Patent Number:	6176871
Patent Number:	6177095
Patent Number:	6201065
Patent Number:	6217894

Application Number:	08918361
Application Number:	09624055
Application Number:	08783387
Application Number:	09033871
Application Number:	09694836
Application Number:	09492011
Application Number:	09467359
Application Number:	08967619
Application Number:	08984614
Application Number:	09249841
Application Number:	09195340
Application Number:	09123137
Application Number:	09616256
Application Number:	09732419
Application Number:	09710416
Application Number:	08968463
Application Number:	09634366
Application Number:	09303054
Application Number:	09744698
Application Number:	09801097
Application Number:	09658390
Application Number:	60258369
Application Number:	60253477
Application Number:	60268559
PCT Number:	US9102142
PCT Number:	US8903593
PCT Number:	US9301776
PCT Number:	US9301773
PCT Number:	US9403115
PCT Number:	US9404824
PCT Number:	US9508067
PCT Number:	US9414213
PCT Number:	US9411304
PCT Number:	US9603177
PCT Number:	US9514103

PCT Number:	US9603813
PCT Number:	US9603834
PCT Number:	US9612285
PCT Number:	US9702075
PCT Number:	US9716392
PCT Number:	US9805661
PCT Number:	US9816410
PCT Number:	US9716857
PCT Number:	US9909386
PCT Number:	US9916950
PCT Number:	US9921521
PCT Number:	US0024647

CORRESPONDENCE DATA

Fax Number: (508)872-5415

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NAME OF SUBMITTER:

Richard D. Allison

Total Attachments: 15

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EXECUTION COPY

**AGREEMENT AND PLAN OF MERGER
AMONG
GENZYME CORPORATION, SAMMY MERGER CORP.
AND FOCAL, INC.**

Dated as of April 25, 2001

MA-11427

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(ii) any indenture, trust agreement, loan agreement or note that involves or evidences outstanding indebtedness, obligations or liabilities for borrowed money in excess of \$100,000;

(iii) any agreement of surety, guarantee or indemnification that involves potential obligations in excess of \$100,000;

(iv) any agreement that limits or restricts the Company or any of its affiliates or successors in competing or engaging in any line of business, in any therapeutic area, in any geographic area or with any person;

(v) any interest rate, equity or other swap or derivative instrument; or

(vi) any agreement obligating the Company to register securities under the Securities Act of 1933, as amended (the "Securities Act");

(c) No executive officer or director of the Company has (whether directly or indirectly through another entity in which such person has a material interest, other than as the holder of less than 2% of a class of securities of a publicly traded company) any material interest in any property or assets of the Company (except as a stockholder), any competitor, customer, supplier or agent of the Company or any person that is currently a party to any material contract or agreement with the Company.

(d) The Company owns no real property.

(e) The Distribution, License and Supply Agreement dated January 2, 1997, between the Company and Ethicon, Inc. shall terminate effective as of July 5, 2001.

2.12 Intellectual Property. Except as disclosed in Section 2.12 of the Company Disclosure Schedule, the Company owns or is licensed to use, or otherwise has the right to use all patents, trademarks, service marks, trade names, trade secrets and copyrights (and, to the Company's knowledge, all other technology and intellectual property), and all registrations of any of the foregoing, or applications therefor, and all grants and licenses or other rights to the Company relating to any of the foregoing that are material to its business as presently conducted or as presently contemplated by the Company to be conducted (collectively, the "Proprietary Rights"). A list of all copyrights, trademarks, servicemarks, tradenames and patents and patent applications owned by or licensed to the Company has been delivered previously to Parent and is included in Section 2.12 of the Company Disclosure Schedule. All patents, registered trademarks and registered copyrights set forth on the list referred to above have not been found invalid or unenforceable and are subsisting (that is, not abandoned, expired or cancelled) and are not subject to any taxes, maintenance fees or annuities falling due within 45 days of April 23, 2001. The Company is not aware that the business of the Company infringes upon the proprietary rights of others, nor has the Company received any notice or claim of infringement from any third party. The Company is not aware of any existing or threatened infringement by any third party of, or any competing claim of right to use or own any of, the Proprietary Rights. Except as disclosed in Section 2.12 of the Company Disclosure Schedule, the Company has the unencumbered right to sell its products and services (whether now offered for sale or in clinical trials) free from any royalty or other obligations to third parties. To the Company's knowledge,

none of the activities of the employees of the Company on behalf of the Company violates any agreement or arrangement which any such employees have with former employers. The policies and procedures of the Company designed to establish and protect the Proprietary Rights are described in Section 2.12 of the Company Disclosure Schedule. All employees and consultants of the Company who contributed to the discovery or development of any of the Proprietary Rights owned by the Company did so either (a) within the scope of his or her employment or consultancy such that, in accordance with applicable law, all Proprietary Rights arising therefrom became the exclusive property of the Company or (b) pursuant to written agreements assigning all Proprietary Rights arising therefrom to the Company.

2.13 Insurance. All policies or binders of fire, liability, product liability, workmen's compensation, vehicular, directors' and officers' and other material insurance held by or on behalf of the Company are in full force and effect, are reasonably believed to be adequate for the businesses engaged in by the Company and are in material conformity with the requirements of all leases or other agreements to which the Company is a party and, to the best knowledge of the Company, are valid and enforceable in accordance with their terms. The Company is not in material default with respect to any provision contained in such policy or binder nor has the Company failed to give any notice or present any claim under any such policy or binder in due and timely fashion. There are no material outstanding unpaid claims under any such policy or binder. The Company has not has received notice of cancellation or non-renewal of any such policy or binder. Section 2.13 of the Company Disclosure Schedule sets forth a true and complete list of all policies or binders of fire, liability, product liability and directors and officers' insurance held by or on behalf of the Company.

2.14 Commercial Relationships. The Company's relationships with its material suppliers, collaborators, licensors and licensees are generally good commercial working relationships. No such entity has canceled or otherwise terminated its relationship with the Company or has during the last twelve months, materially altered its relationship with the Company. The Company does not know of any plan or intention of any such entity, and has not received any written threat or notice from any such entity, to terminate, cancel or otherwise materially modify its relationship with the Company.

2.15 Tax Matters.

(a) For purposes of this Agreement, the term "Tax" (and, with correlative meaning, "Taxes" and "Taxable") means all United States federal, state, and local, and all foreign, income, profits, franchise, gross receipts, payroll, transfer, sales, employment, use, property, excise, value added, ad valorem, estimated, stamp, alternative or add-on minimum, recapture, environmental, withholding and any other taxes, charges, duties, impositions or assessments in the nature of taxes, together with all interest, penalties, and additions imposed on or with respect to such amounts, including any liability for taxes of a predecessor entity. "Tax Return" means any return, declaration, report, claim for refund, or information return or statement filed or required to be filed with any taxing authority in connection with the determination, assessment, collection or imposition of any Taxes.

(b) All Tax Returns required to be filed on or before the date hereof by or with respect to the Company have been filed within the time and in the manner prescribed by

IN WITNESS WHEREOF, the parties have executed this Agreement and Plan of Merger
under seal as of the date first stated above.

FOCAL, INC.

By Ronald S. Rudowsky
Ronald S. Rudowsky
President and Chief Executive Officer

GENZYME CORPORATION

By _____
Earl M. Collier, Jr.
Executive Vice President, President, Biosurgery

SAMMY MERGER CORP.

By _____
Earl M. Collier, Jr.
President


[Signature Page to Agreement and Plan of Merger]

IN WITNESS WHEREOF, the parties have executed this Agreement and Plan of Merger under seal as of the date first stated above.


FOCAL, INC.

By _____
Ronald S. Rudowsky
President and Chief Executive Officer

GENZYME CORPORATION

By  _____
Earl M. Collier, Jr.
Executive Vice President; President, Biosurgery

SAMMY MERGER CORP.

By  _____
Earl M. Collier, Jr.
Executive Vice President

[Signature Page to Agreement and Plan of Merger]

Section 2.12

Intellectual Property

1. The information set forth in items 3, 4, 8, 9, 12, 13 and 14 of Section 2.11(b)(i) of this Company Disclosure Schedule is incorporated herein by reference.
2. See attached list of patents and patent applications as of April 23, 2001.
3. See attached list of trademarks, servicemarks and tradenames. The Company has no registered copyrights.
4. The Company's rights in certain patent rights held by Marvin J. Slepian, M.D. and Endoluminal Therapeutics, Inc. are subject to the terms of the Exclusive License Agreement dated as of January 1, 2000, among Marvin J. Slepian, M.D., Endoluminal Therapeutics, Inc. and the Company.
5. Pursuant to the Intellectual Property Transfer Agreement dated as of November 20, 2000, between the Company and Andre Bieniarz, M.D., the Company has assigned to Dr. Bieniarz the Company's right to U.S. Patent Application Serial No. 09/316,879; Patent Cooperation Treaty Application Serial No. PCT/US99/11352; U.S. Provisional Application No. 60/086,624; and foreign applications based on the above PCT application.
6. The Company has licensed certain rights from the University of Texas pursuant to the agreement listed in item 13 of Section 2.11(b)(i) of this Company Disclosure Schedule, a copy of which has been provided to Parent, and such rights are subject to the provisions of that agreement. In addition, the Company's rights in the Coated Medical Device Field have expired, according to notification from the University of Texas, due to insufficient effort to commercialize such devices.

All of the Company's clinical-grade polymers, consisting of primer and sealant types F, S and M, rely on materials and uses covered by the patents licensed from the University of Texas. The Company's rights in the University of Texas technologies are subject to the payment of royalties and to payments upon sublicensing.

Patent Series UTSB002, listed as family 100 in the attached list of patents, is jointly owned by the University of Texas and one of the inventors, Dr. Randall Dunn. Dr. Dunn and Dr. Hubbell were co-inventors, but Dr. Hubbell assigned to the University of Texas, while Dr. Dunn was not obliged to assign and did not. In the patents and application of the 110C1 and 110C3 series, Dr. Hubbell and Dr. Elbert are listed as co-inventors, along with several inventors who are employees of the Company, because some material in the specification and potentially in certain claims derive from work done by them at the University of Texas under the research agreement listed in item 12 of Section 2.11(b)(i) of this Company Disclosure Agreement. Drs. Hubbell and Elbert have assigned their rights to the University of Texas.

Focal Patents - Status Summary printed 4/23/2001 by Francis Kirkpatrick CONFIDENTIAL

Family/ ID	Status	Title	Inventor	Colinventors: App Serial #	File of Priority Date	Patent No.	Grant
001 7001	I	Method and Apparatus for Treatment of Focal	Slepian,	08/101,966	8/4/93	5,328,471	7/12/94
001 7001JP	G	"Bloodless" Method and Apparatus for	Slepian,	505448/91	2/25/91	JA 2730702	12/19/97
001 7001WO	PC	Method and Apparatus for Treatment of Focal	Slepian,	US91/02142	2/25/91	WO 91/12846	
001 7021	I	Method and Apparatus for Treatment of Focal	Slepian,	08/226,945	4/13/94	5,662,609	9/2/97
001 7040	*	Method and Apparatus for Treatment of Focal	Slepian,	08/918,361	8/26/97		
002 002CA	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	CA 609,264	8/23/1989	CA 1,336,755	8/25/95
002 002EP	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	89/909957.6	8/23/1989	EP 0 431 046 B1	3/3/95
002 002HK	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	89/909957.6	8/23/1989	HK 1004534	11/27/98
002 002JP	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	509258/89	8/23/1989	2836878	10/9/98
002 002SG	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	89/909957.6	8/23/1989	SG 9792060-7	3/3/95
002 002WO	PC	Biodegradable Polymeric Endoluminal Sealing	Slepian,	WO 90/01969	8/23/1989		
002 7000	I	"Paving process" Biodegradable Polymeric	Slepian,	07/857,700	10/3/90	5,213,580	5/25/93
002 7019	I	"Paving"; Biodegradable Polymeric	Slepian,	08/182,516	1/14/94	5,674,287	10/7/97
002 7023	I	"Paving"; Biodegradable Polymeric	Slepian,	08/472,757	6/7/95	5,749,922	5/12/98
002 7023CA	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	CA 616,971	2/3/95	CA 1,340,257	12/15/98
002 7023EPCdiv1	*	Biodegradable Polymeric Endoluminal Sealing	Slepian,	94/203 046.1	2/3/95		
002 7026CA	G	Biodegradable Polymeric Endoluminal Sealing	Slepian,	CA 616,970	2/3/95	1,340,986	5/16/2000
002 7027	I	"Paving Catheter"	Slepian,	08/481,646	6/7/95	5,947,977	9/7/99
002 7029	I	Polymeric Endoluminal Paving Process	Slepian,	08/481,220	6/7/95	5,749,915	5/12/98
002 7030	I	Polymeric Endoluminal Paving	Slepian,	08/474,062	6/7/95	5,634,946	6/3/97
002 7031/019	I	Fluent paving	Slepian,	08/470,055	6/7/95	5,800,538	9/11/1998
002 7058	U	"Paving Catheter"	Slepian,	09/624,055	7/24/2000		
009 493-C101FWC A	A	"Interfacial"; Gels For Encapsulation of	Hubbell,	08/783,387	9/16/98		
009 493-CIP1 (011) I	I	"Interfacial"; Gels For Encapsulation of	Hubbell,	07/958,870	10/7/92	5,529,914	6/25/96

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Family/ ID	Status	Title	Inventor	Co-Inventors	App Serial #	Priority Patent #	Date	App #	App #	App #
009	493-CIP1 DIV2	I	"Interfacial"; Gels For Encapsulation of	Hubbell, C. P. Pathak,	08/480,678	6/7/95	5,801,033	8/1/98		
009	493-CIP2	I	"Interfacial/ Tissue applications"; Gels For	Hubbell, C. P. Pathak,	08/024,657	3/1/93	5,573,934	11/12/96		
009	493-CIP2CON	I	"Interfacial"; Gels For Encapsulation of	Hubbell, C. P. Pathak,	08/377,911	1/25/95	5,858,746	1/12/99		
009	493-CIP2CON3	U	Gels For Encapsulation	Hubbell, J A	09/033,871	3/3/98				
009	493-CIP2CON4	U	Gels For Encapsulation	Hubbell, J A	09/694,836	10/23/2001				
009	493-CIP2div1	I	"Interfacial"; Gels For Encapsulation of	Hubbell, C. P. Pathak,	08/467,815	6/6/95	5,843,743	12/1/98		
009	493-CIP2DIV2	I	"Interfacial"; Gels For Encapsulation of	Hubbell, C. P. Pathak,	08/467,693	6/6/95	5,834,274	11/10/98		
009	493AU	G	Gels for Encapsulation ("Interfacial")	Hubbell, J A	37809/93	3/1/93	AU 683209	4/2/98		
009	493BR	F	Gels for Encapsulation ("Interfacial")	Hubbell, J A	PI9306051-6	3/1/93				
009	493CA	G	Gels for Encapsulation ("Interfacial")	Hubbell, J A	2,117,584	3/1/93	CA 2,117,584	9/22/98		
009	493EPC	F	Gels for Encapsulation ("Interfacial")	Hubbell, J A	93 907078.5	9/1/94				
009	493JP	G	Gels for Encapsulation ("Interfacial")	Hubbell, J A	5-515100	3/1/93	3011767	12/10/99		
009	493KR	F	Gels for Encapsulation ("Interfacial")	Hubbell, J A	94-703035	3/1/93				
009	493NZ	G	Gels for Encapsulation ("Interfacial")	Hubbell, C. P. Pathak,	251039	3/1/93	NZ 251039	3/26/96		
009	493PCT	PC	"Interfacial"; Gels For Encapsulation of	Hubbell, C. P. Pathak,	US93/01776	3/1/93	WO93/16687			
010	496	I	"Photogel" Photopolymerizable	Hubbell, C. P. Pathak,	08/022,687	3/1/93	5,410,016	4/25/95		
010	496 CIP2CON	I	"Photogel Statistical Polymer"/	Hubbell, J A	09/120,917	8/4/98	6,060,582	5/9/2000		
010	496 CIP2CON2	U	"Photogel Delivery 2" / Photopolymerizable	Hubbell, J A	09/492,011	1/26/2000				
010	496 CIP2DIV1	I	"Photogel coating" / Photopolymerizable	Hubbell, C. P. Pathak,	08/379,848	1/27/95	5,626,863	5/6/97		
010	496 CIP2DIV2	I	"Photogel drug delivery" Photopolymerizable	Hubbell, C. P. Pathak,	08/468,384	6/6/95	5,567,435	10/22/96		
010	496 CIP2DIV3	I	"Photogel Medical Applications" /	Hubbell, J A	08/700,237	8/20/96	5,986,043	11/16/99		
010	496 PCT	PC	Photopolymerizable Biodegradable Hydrogels	Hubbell, J A.	/US 93/01773	3/1/93	WO 93/17669			
010	496AU	G	Photopolymerizable Biodegradable	Hubbell, Pathak,	37353/93	3/1/93	AU 673160	2/18/97		
010	496BR	F	Photopolymerizable Biodegradable	Hubbell, J A	PI 3906038-6	3/1/93				
010	496CA	G	Photopolymerizable Biodegradable	Hubbell, J A	2,117,588	3/1/93	2,117,588	8/25/98		

Family/ ID	Status	Title	Inventor	Co-Inventors	App Serial #	Patent No.	File of Priority Date	Grant Date
010 496EP	G	Photopolymerizable Biodegradable	Hubbell, J A	Pathak,	93 906255.0	EP 0627 911 01	3/1/93	10/25/2001
010 496JP	G	Photopolymerizable Biodegradable	Hubbell, J A	Pathak,	5-515790		4/25/97	12/10/99
010 496KR	G	Photopolymerizable Biodegradable	Hubbell, J A	Pathak,	94-703034	0255912	3/1/93	6/29/2000
010 496NZ	G	Photopolymerizable Biodegradable	Hubbell,	Pathak,	249770	NZ 249770	3/1/93	1/10/97
010 496NZ Div1	F	Photopolymcrizable Biodegradable	Hubbell, J A	Pathak,	NZ 299091	WO 94/21324	7/30/96	
012 7012WO	PC	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	US94/03115		3/23/94	
012 7020	I	Apparatus & Method for Local Application of	Rowe,	Hubbell, Herm	08/448,573	5,698,189		12/16/97
012 7020-AU	G	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	64907/94	AU 686613	3/23/94	0/8/98
012 7020-CA	F	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	2,158,731		3/23/94	
012 7020-EPC	G	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	949112288.1	EP 0 690 730	3/23/94	11/11/98
012 7020-JP	F	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	521340/94		3/23/94	
012 7034	I	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	08/476,124	5,612,050	6/7/95	3/18/97
012 7041	I	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	08/944,035	6,004,547	9/27/97	12/21/99
012 7057 (Con2)	U	Apparatus & Method for Local Application of	Rowe,	Jeffrey A.	09/467,359		12/20/99	
014 7014	I	Methods for Photothermoforming	Pathak	Sawhney,	08/448,572	5,849,036	10/30/95	12/15/98
014 7014 AU	G	Apparatus & Methods for Photothermoforming	Pathak	Sawhney,	69056/94	AU 686634	4/28/94	5/28/98
014 7014 CA	F	Apparatus & Methods for Photothermoforming	Pathak	Sawhney,	2,161,776		4/28/94	
014 7014 EPC	G	Apparatus & Methods for Photothermoforming	Pathak	Sawhney,	94917290.2-2	EP 0 696 185	4/28/94	8/12/98
014 7014 JA	F	Apparatus & Methods for Photothermoforming	Pathak	Sawhney,	524611/94		4/28/94	
014 7014 WO	PC	Apparatus & Methods for Photothermoforming	Pathak	Sawhney,	US94/04824	WO 94/24962	4/28/94	
014 7032	I	Apparat. for Intraluminal Photothermoforming	Pathak	Sawhney,	08/483,194	5,662,712	6/7/95	9/2/97
014 7033	I	Apparatus & Methods for Photothermoforming	Pathak	Sawhney,	08/477,370	5,741,323	6/7/95	4/21/98
014 7045 /014C	I	App & Meth Intralum Photothorm	Pathak	Sawhney	09/172,537	6176871 B1	10/14/98	1/23/2001
015 7015	I	"Gel Catheter"// Devices and Methods for	Roth, L	Herman, S J.	08/265,448	5,665,063	6/24/94	9/9/97
015 7035	I	"Gel Catheter"// Devices and Methods for	Roth, L	Herman, S J.	08/494,333	5,779,673	6/26/95	6/24/98

Focal Patents - Status Summary printed 4/23/2001 by Francis Kirkpatrick

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Family/ ID	Status	Title	Inventor	Coinventors: App Serial #	File or Priority Date	Patent No.	Grant
015 7035-CA	F	"Gel Catheter" Devices and Methods for	Roth, L	Homan, S J, 2,193,805	6/28/95		
015 7035-JA	F	"Gel Catheter" Devices and Methods for	Roth, L	Homan, S J, 503389/96	12/24/96		
015 7035-WO	PC	"Gel Catheter" Devices and Methods for	Roth, L	Homan, S J, US95/08067	6/26/95	WO 96/00102	
100 UT002 CIPCon	U	"Urokinase"; Local Delivery of Fibrinolysis	Hubbell, J	08/967,618	11/12/97		11/21/95
100 UT002-par	I	"Urokinase"; Local Delivery of Fibrinolysis	Hubbell,	08/165,392	12/10/93	5,468,505	
100 UT002 PCT	PC	"Urokinase"; Local Delivery of Fibrinolysis	Hubbell, J	WO 95/15747	12/10/94	AU 690949	8/20/98
100 UT002AU	G	"Urokinase"; Local Delivery of Fibrinolysis	Hubbell, J	13381/95	12/9/94		
100 UT002CA	H	"Urokinase"; Local Delivery of Fibrinolysis	Hubbell, J	2,178,487	12/9/94		
100 UT002EP	G	"Urokinase"; Local Delivery of Fibrinolysis	Hubbell, J	95904855.3	12/9/94	0 732 915	8/9/2000
100 UT002JP	F	Local Delivery of Fibrinolysis Enhancing	Hubbell, J	7-516372	12/9/94		11/19/96
102 102	I	"Cell/Gel" Local Polymeric Gel Therapy	Slepian,	08/132,745	10/6/93	5,575,815	12/1/98
102 102 CIP	I	"Cell/Gel" Local Polymeric Gel Therapy	Slepian,	08/238,931	5/6/94	5,843,156	
102 102 CIP con	A	"Cell/Gel" Local Polymeric Gel Therapy	Slepian,	08/984,614	12/3/97		
102 102 PCT	PC	"Cell/Gel" Local PolymericCellular Gel Therapy	Slepian,	WO 95/09659	10/6/94	703003	6/24/99
102 102AU	G	"Cell/Gel" Local PolymericCellular Gel Therapy	Slepian,	79671/94	10/6/94		
102 102CA	F	"Cell/Gel" Local PolymericCellular Gel Therapy	Slepian,	2,173,316	10/6/94		
102 102EP	F	"Cell/Gel" Local PolymericCellular Gel Therapy	Slepian,	94930606.2EP	10/6/94		
102 102JP	F	"Cell/Gel" Local PolymericCellular Gel Therapy	Slepian,	7-511004	10/6/94		4/8/97
105 105	I	Hydroxy Acid Cosmetics	Coury, Arthur	08/401,931	3/9/95	5,618,850	3/9/99
105 105 D	I	Hydroxy Acid Cosmetics	Coury, Arthur	08/739,644	10/30/96	5,879,688	
105 105 D2	A	Hydroxy Acid Cosmetics	Coury, Arthur	09/249,841	2/15/99		
105 105-CA	F	Hydroxy Acid Cosmetics	Coury	CA 2,214,884	3/8/96		
105 105-EP	F	Hydroxy Acid Cosmetics	Coury	96910388.6	3/8/96		
105 105-JA	F	Hydroxy Acid Cosmetics	Coury	8-528448	3/8/96		
105 105PCT	PC	Hydroxy Acid Cosmetics	Coury	WO 96/29080	3/8/96		

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Family/ ID	Status	Title	Inventor	Coinventors:	App Serial #	File of Priority Date	Patent No.	Grant
108	CON CPA I	Targeted Delivery via Biodegradable Polymers	Roth	Herman	08/787,647	1/23/97	5,879,713	3/9/1999
108	con div	Targeted Delivery via Biodegradable Polymers	Roth	Herman	09/195,340	11/18/98		4/28/99
108	108AU	Targeted Delivery via Biodegradable Polymers	Roth	Herman	AU 39720/95	10/11/95	AU 700903	12/22/2000
108	G	Targeted Delivery via Biodegradable Polymers	Roth	Herman	AU 23614/99	4/1/99	726472	
108	108AU div	Targeted Delivery via Biodegradable Polymers	Roth	Herman	CA 2,202,511	10/11/95	0 785 774	3/18/99
108	F	Targeted Delivery via Biodegradable Polymers	Roth	Herman	95937688.0	10/11/95		
108	G	Targeted Delivery via Biodegradable Polymers	Roth	Herman	99202631.0	8/3/99		
108	F	Targeted Delivery via Biodegradable Polymers	Roth	Herman	8-513488	10/11/95		
108	108JA	Targeted Delivery via Biodegradable Polymers	Roth	Herman	WO 96/11671	10/11/95		7/28/98
108	108PCT	Targeted Delivery via Biodegradable Polymers	Roth	Herman	08/689,139	7/29/96	5,785,993	
109	CON	"SOD"/ Reduction of Adhesion using	Baker	Coury	09/123,137	7/27/98		
109	CON2	"SOD"/ Reduction of Adhesion using	Baker	Coury	WO 96/29987	3/20/96	704222	7/22/99
109	PCT	"SOD"/ Reduction of Adhesion using	Baker	Coury	52575/96	3/20/96		
109	109AU	"SOD"/ Reduction of Adhesion using	Baker	Coury	2,215,317	3/20/96	0 814 774	1/31/2001
109	109CA	"SOD"/ Reduction of Adhesion using	Baker	Coury	96908878.0	3/20/96		
109	109EP	"SOD"/ Reduction of Adhesion using	Baker	Coury	8-529500	3/20/96	704222	9/1/98
109	109JP	"SOD"/ Reduction of Adhesion using	Baker	Coury	08/410,037	3/23/95	5,800,373	12/1/98
110	110	"Priming"/ Initiator Priming for Improved	Melanson	Sawhney	08/478,104	6/7/95	5,844,016	5/12/98
110	110-C1	Redox & Photoinitiator Priming for Improved	Melanson	Levine	08/472,745	6/7/95	5,749,968	
110	110-C2/7038	Device for Priming	Melanson	Sawhney	09/616,256	7/14/2000		9/19/2000
110	110-C3 div	Redox and Photoinitiator Systems	Melanson	Sawhney	08/973,077	3/22/96	6,121,341	
110	110-C3 (US)	Redox and Photoinitiator Systems	Melanson	Sawhney	WO 96/29370	3/22/96	AU 709527	12/16/99
110	110-C3PCT	"Priming"/ Initiator Priming for Improved	Sawhney	Melanson	55249/96	3/22/96		
110	110-C3AU	"Priming"/ Initiator Priming for Improved	Sawhney	Melanson	48864/99	9/22/99		

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110 110-C3CA	F	"Priming"/ Initiator Priming for Improved	Sawhney	McInson 2,215,309	3/22/96		
110 110-C3EP	F	"Priming"/ Initiator Priming for Improved	Sawhney	McInson 96912429.6	3/22/96		
110 110-C3JP	F	"Priming"/ Initiator Priming for Improved	Sawhney	McInson 8-528605	3/22/96		
110 110-C4	I	Compliant Sealant	Sawhney	Lyman 08/710,689	9/23/96	5,900,245	5/4/99
110 110-C4 CON 1	I	Compliant Tissue Sealant	Sawhney	Lyman 09/288,207	4/8/99	6,051,248	4/18/2000
110 110-C4 Con2	I	Compliant Tissue Sealants	Sawhney,	Lyman, 09/477,162	1/4/2000	6,217,894	4/17/2001
110 110-C4 Con3	U	Compliant Tissue Sealants	Sawhney,	Lyman, 09/732,419	12/7/2000		
110 110-C4JA	F	Compliant Sealant	Sawhney	Lyman 9/12060	1/6/97		
112 112 CIP	I	Multiblock degradable hydrogels	Pathak	Barman 08/692,914	7/26/96	6,201,065	3/13/2001
112 112 CIP DV	U	Multiblock degradable hydrogels	Pathak	Barman 09/710416	11/9/2000		
112 112CA	F	Multiblock degradable hydrogels	Pathak	Barman 2,228,118	7/26/96		
112 112EP	F	Multiblock degradable hydrogels	Pathak	Barman 96926138.7	7/26/96		
112 112JP	F	Multiblock degradable hydrogels	Pathak	Barman 9-507762	7/26/96		
112 112PCT	PC	Multiblock degradable hydrogels	Pathak	Barman WO 97/05185	7/26/96		
114 114 CON	U	Local Delivery of Radionuclides and	Leavitt	Avila 08/968,463	10/2/97		
114 114 FWC	I	Local Delivery of Radionuclides and	Leavitt	Avila 08/963,639	11/3/97	5,942,208	8/24/99
114 114 PCT	PC	Local Delivery of Radionuclides and	Leavitt	Avila WO97/33628	2/13/97		
114 114AU	G	Local Delivery of Radionuclides and	Leavitt	Avila 21202/97	2/13/97	712953	3/2/2000
114 114EP	F	Local Delivery of Radionuclides and	Leavitt	EP 97906537.2	2/13/97		
114 114JP	F	Local Delivery of Radionuclides and	Leavitt	9-532597	2/13/97		
114 114ZA	G	Local Delivery of Radionuclides and	Leavitt	Avila 97/2044	3/10/97	ZA 97/2044	9/3/98
115 7037	I	Diffuser/ Optical Fiber Diffuser and Method of	Dumont	08/714,189	9/16/96	6,004,315	12/21/99
115 7037 AU	H	Diffuser/ Optical Fiber Diffuser and Method of	Dumont,	43510/97	9/16/97	729233	
115 7037 CA	F	Diffuser/ Optical Fiber Diffuser and Method of	Dumont,	CA 2,265,565	9/16/97		
115 7037 EP	F	Diffuser/ Optical Fiber Diffuser and Method of	Dumont,	97941646.8	9/16/97	0 925 521	

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115 7037 JP	F	Diffuser/ Optical Fiber Diffuser and Method of	Dumont,	513079/98	9/16/97	WO98/11462			
115 7037 WO	PC	Diffuser/ Optical Fiber Diffuser and Method of	Dumont,	US 97/16392	9/16/97	WO98/11462			
116 7042	I	Biodegradable Tissue Retractor	Poff, Brad	09/045,401	3/20/98	6,123,667			9/26/2000
116 7042 AU	F	Biodegradable Tissue Retractor	Poff, Brad	AU 87690/98	3/20/98				
116 7042 CA	F	Biodegradable Tissue Retractor	Poff, Brad	2283708	3/20/98				
116 7042 EP	F	Biodegradable Tissue Retractor	Poff, Brad	98913048.9	3/20/98				
116 7042 JP	F	Biodegradable Tissue Retractor	Poff, Brad	JP 540853/98	3/20/98				
116 7042 WO	PC	Biodegradable Tissue Retractor	Poff, Brad	US98/05661	3/20/98	WO 98/41154			
116 7042 ZA	G	Biodegradable Tissue Retractor	Poff, Brad	98/2483	3/21/98	98/2483			9/29/99
116 7056 ZA div	G	Biodegradable Tissue Retractor	Poff, Brad	98/3644	3/21/98	98/3644			12/29/99
116 7059 con	U	Biodegradable Tissue Retractor	Poff, Brad	09/634,366	8/9/2000				12/18/2000
117 117	I	Hemostatic Tissue Sealant	Coury	09/129,735	8/5/98	6,162,241			
117 117 AU	F	Hemostatic Tissue Sealant	Coury	86955/98	8/6/98				
117 117 CA	F	Hemostatic Tissue Sealant	Coury	2,299,336	8/6/98				
117 117 EP	F	Hemostatic Tissue Sealant	Coury	98938427.6	8/6/98	1 003 568			
117 117 JA	F	Hemostatic Tissue Sealant	Coury	2000-507003	8/6/98				
117 117 PCT	PC	Hemostatic Tissue Sealant	Coury	US98/16410	8/6/98	WO 99/07417			
117 117 ZA	G	Hemostatic Tissue Sealant	Coury	98/7019	8/5/98	98/7019			8/31/99
118 118	I	"Carbonate"/ Polymerizable Biodegradable	Sawhney, A	08/944,739	10/6/97	6,083,524			7/4/2000
118 118 div	I	"Carbonate"/ Polymerizable Biodegradable	Jarrett, Peter	09/479,520	1/7/2000	6,177,085			01/23/2000
118 118 JP	F	"Carbonate"/ Polymerizable Biodegradable	Jarrett, Peter	10-514967	9/23/97				
118 118 AU	F	"Carbonate"/ Polymerizable Biodegradable	Jarrett, Peter	45870/97	9/23/97	728281			
118 118 R	F	"Carbonate"/ Polymerizable Biodegradable	Jarrett, Peter	PI 9711537-1	9/23/97				
118 118 CA	F	"Carbonate"/ Polymerizable Biodegradable	Jarrett, Peter	2,266,478	9/23/97				
118 118 EP	F	"Carbonate"/ Polymerizable Biodegradable	Jarrett, Peter	97944351.2	9/23/97				

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118 118PCT	PC	"Carbonate" Polymerizable Biodegradable	Jancich, Peter	Amar	US97/16857	9/23/97	WO98/2243
118 118ZA	G	Trimethylenc carbonate	Jancich, Peter	Amar	97/8537	9/23/97	ZA 97/8537
121 7050	U	Light Source Power Tester	Pichon, Dean	Dumont,	09/303,054	4/30/99	
121 7053WO	PC	Light Source Power Tester	Kablik, J.	Pichon, D	US99/09386	4/30/99	WO99/57528
123 7050	U	Universal Modular Surgical Applicator Systems	Kirwan, John	Pichon,	09/744,698	1/29/2001	
123 7050WO	PC	Universal Modular Surgical Applicator Systems	Kirwan, John	Pichon,	US 99/16950	7/27/99	WO00/06216
124 7048WO	P	Self-Cleaning Fluid Delivery Device	Pichon, Dean	Nedder, David	US99/21521	9/17/99	WO 00/15117
124 7060	U	Self-Cleaning Fluid Delivery Device	Pichon, Dean	Nedder, David	09/801,097	3/7/2001	
126 126 parent	U	Hydrogels for Orthopedic Repair	Coury, Arthur	Goodrich,	09/658,390	9/8/2000	
126 126 PCT	P	Hydrogels for Orthopedic Repair	Coury, Arthur	Goodrich,	us 00/24647	9/8/2000	WO 01/17574
127 127Prov	UR	Amiodarone	Philbrook	Burns Millor	60/258,369	12/27/2000	
128 128prov		Gel photoresists	TBD				
129 129prov	UR	Hyaluronic acid in Gels	Avila, Jarrett		60/253477	11/28/2000	
130 130prov	UR	Biodegradable Macroporous Fleece	Kramer, Avila,		60/268,559	3/14/2001	

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